

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

**TRANSLATION**

**PCT**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing  
(day/month/year)

Applicant's or agent's file reference

**151635-252**

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/JP2004/019571**

International filing date (day/month/year)

**27.12.2004**

Priority date (day/month/year)

**25.12.2003**

International Patent Classification (IPC) or both national classification and IPC

Applicant

**DAI NIPPON PRINTING CO., LTD.**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☒ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE  
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International application No.

PCT/JP2004/019571

Box No. 1 Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language  
\_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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International application No.

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Box No. IV Lack of unity of invention

1. ☐ In response to the invitation (Form PCT/ISA/206) to pay additional fees the applicant has:
- ☐ paid additional fees
  - ☐ paid additional fees under protest
  - ☐ not paid additional fees
2. ☒ This Authority found that the requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
- ☐ complied with
  - ☒ not complied with for the following reasons:

The special technical feature of the invention of claims 1-3 is "the adhesive layer comprising a polyvinylpyrrolidone resin three-dimensionally crosslinked," while the special technical feature of the invention of claims 4-7 is "the adhesive layer comprising a mixture of a polyvinylpyrrolidone resin and one, two or more members selected from silanol group-containing resins, silanol group-containing oligomers, and silane coupling agents." No technical relationship including one or more of the same or corresponding "special technical features" is considered to be present between the inventions of claims 1-3 and the inventions of claims 4-7.

Consequently, this international application includes two inventions.

4. Consequently, this opinion has been established in respect of the following parts of the international application:
- ☒ all parts
  - ☐ the parts relating to claims Nos. \_\_\_\_\_

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PCT/JP2004/019571

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability:  
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims <u>1-7</u>	YES
	Claims _____	NO
Inventive step (IS)	Claims <u>1-7</u>	YES
	Claims _____	NO
Industrial applicability (IA)	Claims <u>1-7</u>	YES
	Claims _____	NO

2. Citations and explanations:

Document 1: JP 2003-312151 A (Dainippon Printing Co., Ltd.) 06 November 2003, Full text, all drawings & EP 138433 A1 & US 2003181331 A1

Document 2: JP 8-290678 A (Fuji Photo Film Co., Ltd.) 05 November 1996, Full text, all drawings (Family: none)

Document 3: JP 5-131760 A (Eastman Kodak Company) 28 May 1993, Full text & EP 513800 A1 & EP 513800 B1 & US 5147843 A

Document 4: JP 3-104683 A (Canon Corp.) 01 May 1991, Full text (Family: none)

Document 5: JP 2004-74766 A (Dainippon Printing Co., Ltd.) 11 March 2004, Full text, all drawings (Family: none)

None of the documents 1 through 5 cited in the ISR describes an adhesive layer of a thermal transfer sheet comprising a polyvinylpyrrolidone resin three-dimensionally crosslinked in terms of the invention of claims 1-3, and an adhesive layer comprising a mixture of a polyvinylpyrrolidone resin and one, two or more members selected from silanol group-containing resins, silanol group-containing oligomers, and silane coupling agents in terms of the invention of claims 4-7, nor are they obvious to a person skilled in the art.